IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application Nos:

09/982383
12/328871
10/277039
12/289216
10/963877
12/200348
09/390966
11/151183
10/093681
11/058116
12/143243
08/865276
08/940578
09/305263
09/322891
09/322270
09/956392
10/118705

Customer No.: 30678

Revocation and Power of Attorney

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

All previous powers of attorney and authorizations of agent are hereby revoked, and the undersigned hereby appoints the attorneys and agents of Connolly Bove Lodge & Hutz LLP associated with U.S. Patent and Trademark Office ("PTO") Customer Number 30678 to prosecute these applications and any U.S., foreign, or international applications under the Patent Cooperation Treaty based on them and to transact all business in the PTO connected therewith, and to receive all communications from the PTO, including the patent documents. Further

details about each application are found in the Appendix to this paper. The authority under this Power of Attorney of each person listed under the aforementioned PTO Customer Number shall automatically terminate and be revoked upon such person ceasing to be associated with Connolly Bove Lodge & Hutz LLP.

Designation of Correspondence Address

Please associate these applications with PTO Customer Number 30678 and send all notices, official letters, documents, communications, and other correspondence regarding these applications to the address:

Connolly Bove Lodge & Hutz LLP
1875 Eye Street NW, Suite 1100
Washington, DC 20006

or to the address currently associated with PTO Customer Number 30678. Please also record the respective Attorney Docket Numbers in the attached appendix in any applicable databases.

Certificate Under 37 C.F.R. § 3.73(b)

The Aerospace Corporation is the assignee of the entire right, title, and interest in these patents and applications by virtue of the chains of assignment shown in the attached Appendix, which are recorded in the records of the PTO. To the best of the undersigned's knowledge and belief, the titles are in the name of said assignee. The undersigned, whose title is supplied below, is empowered to sign this certificate on behalf of The Aerospace Corporation.

Signed: Robert Donald Matthews Date: May 12, 2009
Name: Robert Donald Matthews
Title: Assistant General Counsel
Authorized Person for The Aerospace Corporation

APPENDIX: DETAILS OF LISTED APPLICATIONS

Application No.: 09/982383
Confirmation No.: 7672
Patent No. : 7,145,972
Filing Date: October 18, 2001
First Named Inventor: Rajendra Kumar
Title: POLYPHASE CHANNELIZATION SYSTEM
Attorney Docket No. 27592-00757-US
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 012284, Frame 0736, on October 18, 2001.

Application No.: 12/328871
Confirmation No.: 7740
Patent No. :
Filing Date: December 5, 2008
First Named Inventor: Rajendra Kumar
Title: POLYPHASE CHANNELIZATION SYSTEM
Attorney Docket No.: 27592-00757-US2
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 012284, Frame 0736, on October 18, 2001.

Application No.: 10/277039
Confirmation No.: 5181
Patent No. : 7,127,000
Filing Date: October 21, 2002
First Named Inventor: Charles Chiming Wang
Title: TURBO DECODING SYSTEM USING NTH ROOT METRICS FOR NON-GAUSSIAN COMMUNICATION CHANNELS
Attorney Docket No.: 27592-00758-US
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 013426, Frame 0325, on October 21, 2002

Application No.: 12/289216
Confirmation No: 5203
Patent No:
Filing Date: October 22, 2008
First Named Inventor: Charles C. Wang
Title: TURBO DECODING SYSTEM USING NTH ROOT METRICS FOR NON-GAUSSIAN COMMUNICATION CHANNELS
Attorney Docket No.: 27592-00758-US2
Chain of Title:
Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 013426, Frame 0325, on October 21, 2002

Application No.: 10/963877
Confirmation No.: 2911
Patent No. : 7,098,848
Filing Date: October 12, 2004
First Named Inventor: David A. Ksienski
Title: PHASED ARRAY ANTENNA INTERMODULATION SUPPRESSION BEAM SMEARING METHOD
Attorney Docket No.: 27592-00759-US
Chain of Title:
Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 016592, Frame 0623, on July 29, 2005.

Application No: 12/200348
Confirmation No.: 7580
Patent No.:
Filing Date: August 28, 2008
First Named Inventor: David A. Ksienski
Title: PHASED ARRAY ANTENNA INTERMODULATION SUPPRESSION BEAM SMEARING METHOD
Attorney Docket No.: 27592-00759-US2
Chain of Title:
Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 016592, Frame 0623, on July 29, 2005.

Application No.: 09/390966
Confirmation No.: 7870
Patent No. : 7,072,414
Filing Date: September 7, 1999
First Named Inventor: GEE L. LUI
Title: GAUSSIAN MINIMUM SHIFT KEYING (GMSK) PRECODING COMMUNICATION METHOD
Attorney Docket No.: 27592-00760-US
Chain of Title:

Assignment from inventors to.The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 010229, Frame 0912, on September 7, 1999.

Application No.: 11/151183
Confirmation No.: 5386
Patent No. : 7,071,862
Filing Date: June 10, 2005
First Named Inventor: John R. Scarpulla
Title: TRANSMISSION LINE ANALOG TO DIGITAL CONVERTER
Attorney Docket No.: 27592-00761-US
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 016691, Frame 0437, on June 10, 2005.

Application No: 10/093681
Confirmatin No.: 4469
Patent No.: 6,680,648
Filing Date: March 8, 2002
First Named Inventor: Tien M. Nguyen
Title: HIGH POWER AMPLIFIER PREDISTORTER SYSTEM
Attorney Docket No.: 27592-00762-US1
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 012694, Frame 0386, on March 8, 2002.

Application No.: 11/058116
Confirmation No.: 4474
Patent No. : 7,064,710
Filing Date: February 15, 2005
First Named Inventor: David A. Ksienski
Title: MULTIPLE BEAM STEERED SUBARRAYS ANTENNA SYSTEM
Attorney Docket No.: 27592-00763-US1
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 016286, Frame 0978, on February 15, 2005.

Application No.: 12/143,243
Confirmation No.: 8992
Patent No.:
Filing Date: June 20, 2008
First Named Inventor: David A. Ksienski
Title: MULTIPLE BEAM STEERED SUBARRAYS ANTENNA SYSTEM
Attorney Docket No: 27592-00763-US2
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 016286, Frame 0978, on February 15, 2005.

Application No.: 08/865276
Confirmation No.: 8223
Patent No.: 5,937,006
Filing Date: May 28, 1997
First Named Inventor: Christopher J. Clark
Title: FREQUENCY TRANSLATING DEVICE TRANSMISSION RESPONSE METHOD
Attorney Docket No.: 27592-00770-US1
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 008586, Frame 0933, on May 28, 1997.

Application No.: 08/940578
Confirmation No.: 5076
Patent No.: 6,064,694
Filing Date: September 30, 1997
First Named Inventor: Christopher J. Clark
Title: FREQUENCY TRANSLATING DEVICE TRANSMISSION RESPONSE SYSTEM
Attorney Docket No.: 27592-00770-US2
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 008739, Frame 0827 , on September 30, 1997.

Application No.: 09/305263
Confirmation No.: 1863
Patent No.: 6,041,077
Filing Date: May 4, 1999
First Named Inventor: Christopher J. Clark
Title: FREQUENCY TRANSLATING DEVICE TRANSMISSION RESPONSE METHOD
Attorney Docket No.: 27592-00770-US3
Chain of Title:

Assignment from inventors to the Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 008739, Frame 0827, on September 30, 1997.

Application No.: 09/322891
Confirmation No.: 8585
Patent No. : 6,127,899
Filing Date: May 29, 1999
First Named Inventor: Christopher Patrick Silva
Title: HIGH FREQUENCY ANHARMONIC OSCILLATOR FOR THE GENERATION OF BROADBAND DETERMINISTIC NOISE
Attorney Docket No.: 27592-00771-US1
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 010020, Frame 0339, on May 29, 1999.

Application No.: 09/322270
Confirmation No.: 7746
Patent No. : 6,211,663
Filing Date: May 28, 1999
First Named Inventor: Andrew Alfred Moulthrop
Title: BASEBAND TIME-DOMAIN WAVEFORM MEASUREMENT METHOD
Attorney Docket No.: 27592-00772-US1
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 010014 , Frame 0649, on May 28, 1999.

Application No.: 09/956392
Confirmation No.: 1825
Patent No. : 6,476,739
Filing Date: September 18, 2001
First Named Inventor: Gee L. Lui
Title: METHOD AND PROCESSING SYSTEM FOR ESTIMATING LIKELIHOOD RATIOS FOR INPUT SYMBOL VALUES
Attorney Docket No.: 27592-00773-US1
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 012196, Frame 0505, on September 18, 2001.

Application No.: 10/118705
Confirmation No.: 7951
Patent No. : 6,845,951
Filing Date: April 8, 2002
First Named Inventor: Paul Andrew Herman
Title: METHOD OF CONTROLLING POINTING FOR A FLEXIBLE STRUCTURE
Attorney Docket No.: 27592-00774-US1
Chain of Title:

Assignment from inventors to The Aerospace Corporation, recorded in the records of the U.S. Patent and Trademark Office (PTO) at Reel 012787, Frame 0496, on April 8, 2002.